

ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

Title of Invention	System and Method to Interpret Distributed Temperature Sensor Data and to Determine a Flow Rate in a Well																																																																																																														
<p>Submission Type : Utility Patent Filing</p> <p>Application Number: 10/711918 </p> <p>EFS ID: 70357</p> <p>Server Response:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Confirmation Code</th> <th style="width: 75%;">Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>5917</td> </tr> <tr> <td>USPTOEFSNot</td> <td>For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/</td> </tr> </tbody> </table> <p>First Named Applicant: Jeffrey Tarvin</p> <p>Attorney Docket Number: 101.0166</p> <p>Timestamp: 2004-10-13 15:27:21 EDT</p> <p>From: US</p> <p>File Listing:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Doc. Name</th> <th style="width: 50%;">File Name</th> <th style="width: 10%;">Size (Bytes)</th> <th style="width: 15%;">Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr><td>us-request</td><td>1010166-usreq.xml</td><td>4185</td><td>2004-10-13</td></tr> <tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2004-10-13</td></tr> <tr><td>us-request</td><td>us-request.xsl</td><td>33904</td><td>2004-10-13</td></tr> <tr><td>us-fee-sheet</td><td>1010166-usfees.xml</td><td>1703</td><td>2004-10-13</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.xsl</td><td>24912</td><td>2004-10-13</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>10032</td><td>2004-10-13</td></tr> <tr><td>us-declaration</td><td>Declaration_1.tif</td><td>34256</td><td>2004-10-13</td></tr> <tr><td>us-declaration</td><td>Declaration_2.tif</td><td>45434</td><td>2004-10-13</td></tr> <tr><td>us-declaration</td><td>Declaration_3.tif</td><td>59030</td><td>2004-10-13</td></tr> <tr><td>us-declaration</td><td>Declaration_4.tif</td><td>19512</td><td>2004-10-13</td></tr> <tr><td>us-declaration</td><td>Declaration_5.tif</td><td>20202</td><td>2004-10-13</td></tr> <tr><td>us-declaration</td><td>Declaration_6.tif</td><td>17026</td><td>2004-10-13</td></tr> <tr><td>us-declaration</td><td>Declaration_7.tif</td><td>27772</td><td>2004-10-13</td></tr> <tr><td>us-power-of-attorney-grant</td><td>POA.tif</td><td>33662</td><td>2004-10-13</td></tr> <tr><td>application-body</td><td>1010166.xml</td><td>98671</td><td>2004-10-13</td></tr> <tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2004-10-13</td></tr> <tr><td>application-body</td><td>Image1.tif</td><td>16265</td><td>2004-10-13</td></tr> <tr><td>application-body</td><td>Image10.tif</td><td>68641</td><td>2004-10-13</td></tr> <tr><td>application-body</td><td>Image11.tif</td><td>30601</td><td>2004-10-13</td></tr> <tr><td>application-body</td><td>Image12.tif</td><td>86087</td><td>2004-10-13</td></tr> <tr><td>application-body</td><td>Image13.tif</td><td>35965</td><td>2004-10-13</td></tr> <tr><td>application-body</td><td>Image14.tif</td><td>2857</td><td>2004-10-13</td></tr> <tr><td>application-body</td><td>Image15.tif</td><td>14173</td><td>2004-10-13</td></tr> <tr><td>application-body</td><td>Image16.tif</td><td>18243</td><td>2004-10-13</td></tr> </tbody> </table>				Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	5917	USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/	Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)	us-request	1010166-usreq.xml	4185	2004-10-13	us-request	us-request.dtd	19064	2004-10-13	us-request	us-request.xsl	33904	2004-10-13	us-fee-sheet	1010166-usfees.xml	1703	2004-10-13	us-fee-sheet	us-fee-sheet.xsl	24912	2004-10-13	us-fee-sheet	us-fee-sheet.dtd	10032	2004-10-13	us-declaration	Declaration_1.tif	34256	2004-10-13	us-declaration	Declaration_2.tif	45434	2004-10-13	us-declaration	Declaration_3.tif	59030	2004-10-13	us-declaration	Declaration_4.tif	19512	2004-10-13	us-declaration	Declaration_5.tif	20202	2004-10-13	us-declaration	Declaration_6.tif	17026	2004-10-13	us-declaration	Declaration_7.tif	27772	2004-10-13	us-power-of-attorney-grant	POA.tif	33662	2004-10-13	application-body	1010166.xml	98671	2004-10-13	application-body	application-body.dtd	49498	2004-10-13	application-body	Image1.tif	16265	2004-10-13	application-body	Image10.tif	68641	2004-10-13	application-body	Image11.tif	30601	2004-10-13	application-body	Image12.tif	86087	2004-10-13	application-body	Image13.tif	35965	2004-10-13	application-body	Image14.tif	2857	2004-10-13	application-body	Image15.tif	14173	2004-10-13	application-body	Image16.tif	18243	2004-10-13
Confirmation Code	Message																																																																																																														
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application																																																																																																														
ICON1	5917																																																																																																														
USPTOEFSNot	For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: http://www.uspto.gov/ebc/																																																																																																														
Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)																																																																																																												
us-request	1010166-usreq.xml	4185	2004-10-13																																																																																																												
us-request	us-request.dtd	19064	2004-10-13																																																																																																												
us-request	us-request.xsl	33904	2004-10-13																																																																																																												
us-fee-sheet	1010166-usfees.xml	1703	2004-10-13																																																																																																												
us-fee-sheet	us-fee-sheet.xsl	24912	2004-10-13																																																																																																												
us-fee-sheet	us-fee-sheet.dtd	10032	2004-10-13																																																																																																												
us-declaration	Declaration_1.tif	34256	2004-10-13																																																																																																												
us-declaration	Declaration_2.tif	45434	2004-10-13																																																																																																												
us-declaration	Declaration_3.tif	59030	2004-10-13																																																																																																												
us-declaration	Declaration_4.tif	19512	2004-10-13																																																																																																												
us-declaration	Declaration_5.tif	20202	2004-10-13																																																																																																												
us-declaration	Declaration_6.tif	17026	2004-10-13																																																																																																												
us-declaration	Declaration_7.tif	27772	2004-10-13																																																																																																												
us-power-of-attorney-grant	POA.tif	33662	2004-10-13																																																																																																												
application-body	1010166.xml	98671	2004-10-13																																																																																																												
application-body	application-body.dtd	49498	2004-10-13																																																																																																												
application-body	Image1.tif	16265	2004-10-13																																																																																																												
application-body	Image10.tif	68641	2004-10-13																																																																																																												
application-body	Image11.tif	30601	2004-10-13																																																																																																												
application-body	Image12.tif	86087	2004-10-13																																																																																																												
application-body	Image13.tif	35965	2004-10-13																																																																																																												
application-body	Image14.tif	2857	2004-10-13																																																																																																												
application-body	Image15.tif	14173	2004-10-13																																																																																																												
application-body	Image16.tif	18243	2004-10-13																																																																																																												

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
application-body	Image17.tif	1585	2004-10-13
application-body	Image18.tif	5050	2004-10-13
application-body	Image19.tif	4354	2004-10-13
application-body	Image2.tif	10937	2004-10-13
application-body	Image20.tif	25477	2004-10-13
application-body	Image21.tif	16483	2004-10-13
application-body	Image22.tif	13765	2004-10-13
application-body	Image23.tif	795265	2004-10-13
application-body	Image24.tif	795265	2004-10-13
application-body	Image25.tif	795265	2004-10-13
application-body	Image26.tif	795265	2004-10-13
application-body	Image27.tif	795265	2004-10-13
application-body	Image28.tif	795265	2004-10-13
application-body	Image29.tif	795265	2004-10-13
application-body	Image3.tif	8305	2004-10-13
application-body	Image30.tif	795265	2004-10-13
application-body	Image31.tif	795265	2004-10-13
application-body	Image32.tif	795265	2004-10-13
application-body	Image33.tif	795265	2004-10-13
application-body	Image4.tif	13054	2004-10-13
application-body	Image5.tif	16015	2004-10-13
application-body	Image6.tif	15943	2004-10-13
application-body	Image7.tif	8573	2004-10-13
application-body	Image8.tif	11057	2004-10-13
application-body	Image9.tif	17065	2004-10-13
application-body	soamsa.ent	5191	2004-10-13
application-body	soamsb.ent	3988	2004-10-13
application-body	soamsc.ent	1460	2004-10-13
application-body	soamsn.ent	5620	2004-10-13
application-body	soamso.ent	1934	2004-10-13
application-body	soamsr.ent	7073	2004-10-13
application-body	isobox.ent	3568	2004-10-13
application-body	isocyr1.ent	5345	2004-10-13
application-body	isocyr2.ent	2504	2004-10-13
application-body	isodia.ent	1508	2004-10-13
application-body	isogrk1.ent	4030	2004-10-13
application-body	isogrk2.ent	2259	2004-10-13
application-body	isogrk3.ent	3559	2004-10-13
application-body	isogrk4.ent	1920	2004-10-13
application-body	isolat1.ent	5282	2004-10-13
application-body	isolat2.ent	9007	2004-10-13
application-body	isomfrk.ent	4553	2004-10-13
application-body	isomopf.ent	2571	2004-10-13
application-body	isomscr.ent	4628	2004-10-13
application-body	isonusm.ent	5913	2004-10-13
application-body	isopub.ent	6621	2004-10-13
application-body	isotech.ent	5268	2004-10-13
application-body	mathml2.dtd	54588	2004-10-13
application-body	mathml2-qname-1.mod	13225	2004-10-13
application-body	mmlalias.ent	38209	2004-10-13
application-body	mmlextra.ent	7901	2004-10-13
application-body	soextblx.dtd	12870	2004-10-13
application-body	us-application-body.xsl	82504	2004-10-13
application-body	wipo.ent	4956	2004-10-13
application-body-pdf-wrap	1010166-pdf-wrap.xml	733	2004-10-13
abstract-pdf	1010166-abst.pdf	13331	2004-10-13
claims-pdf	1010166-claims.pdf	42170	2004-10-13
description-pdf	1010166-desc.pdf	213824	2004-10-13
drawings-pdf	1010166-draw.pdf	192567	2004-10-13
package-data	1010166-pkda.xml	14147	2004-10-13
package-data	package-data.dtd	27025	2004-10-13
package-data	us-package-data.xsl	19263	2004-10-13
Total files size			10518388

Message Digest:

a6c9b7041e6837fb4ff5d85d1eebd0404a122796

Digital Certificate Holder
Name:

cn=Jaime A.
Castano,ou=Registered
Attorneys,ou=Patent and
Trademark

Office,ou=Department of
Commerce,o=U.S.
Government,c=US